

Autopilot Ramp Test Set

ASI-204

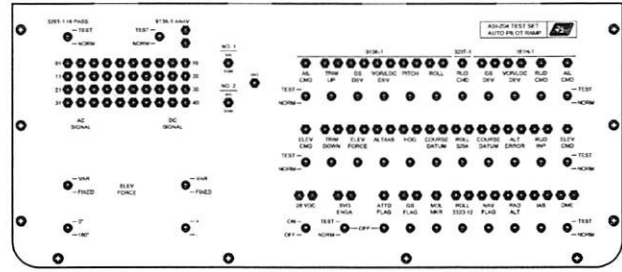
OEM Equivalent: Rockwell Collins
MN: 972S-1
PN: 622-1626-001
Manual: 523-0767941 / 523-0764823
Manual Figure: 1

UUT: AP-106/AP-107 Flight Control System
913K-1/-1A / 562C-13/-13A / 161H-1
Size: H: 8.00" W: 18.50" D: 14.50"
Pwr: From A/C and UUT

Description:

The ASI-204 Autopilot Ramp Test Set facilitates in-aircraft checkout, adjustment, and troubleshooting of the Collins AP-106/AP-107 Flight Control System. The Test Set functions as a breakout box, allowing access to interface signals between system components. Switches on the ASI-204 allow checkout of the system with signals from the aircraft or test signals derived from the Test Set.

The ASI-204 is housed in a sturdy carrying case for ease of use and transport.



Autopilot Bench Test Panel

ASI-205

OEM Equivalent: Rockwell Collins
MN: 972S-2
PN: 622-1668-001
Manual: 523-0767941 / 523-0764827
Manual Figure: 1

UUT: AP-106 / AP-107 Flight Control System
161H-1 / 323A-5 / 327C-3 / 329A-4/-4V
329T-1 / 331P-1 / 332D-12 / 334C-9
334D-6 / 454N-2/2D / 562C-13 / 590A-6
590B-3 / 614E-41/41A / 913K-1/1A/2H

Size: H: 21.00" W: 19.00" D: 15.00"
Pwr: 28 VDC / 115 VAC 400 Hz

Description:

The ASI-205 Autopilot Bench Test Panel facilitates testing, adjustment, and troubleshooting of the Collins AP-106 / AP-107 Flight Control System. The Test Panel allows access to interface signals between systems components. Switches on the ASI-205 allow checkout of the system with signals from the flight control equipment or with test signals derived from the test panel.

Supplied pendant cables required for testing are stored in the cable storage area at the bottom of the test panel when not in use.

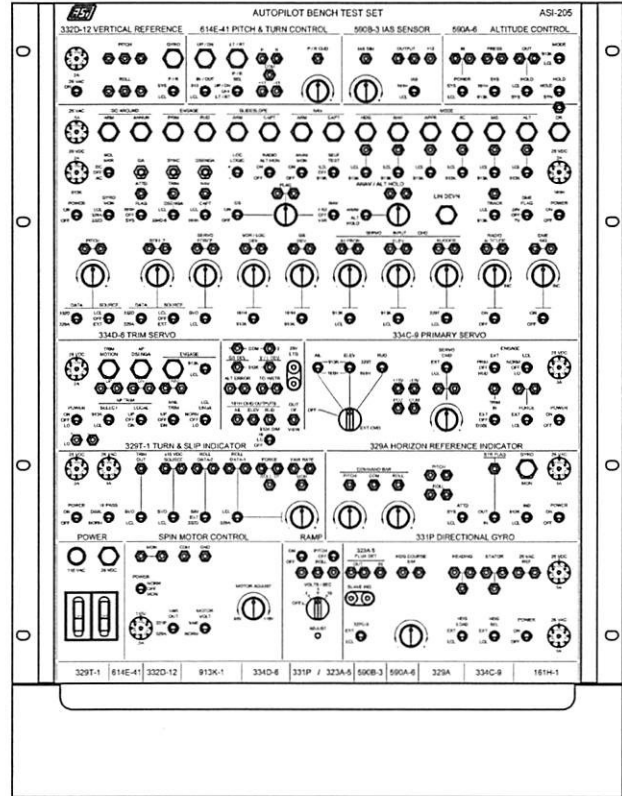
The ASI-205 is supplied with three extender cards which enable the 913K-1/-1A circuit cards to be accessed for testing and repair purposes.

Equipment Supplied:

ASI MN	OEM PN	Description
ASI-3758-001	618-3758-001	Extender Card: 913K-1 Front
ASI-3759-001	618-3759-001	Extender Card: 913K-1 Back
ASI-4759-001	601-4759-001	Extender Card: 913K-1A Back

Optional Equipment:

ASI MN	OEM PN	Description
ASI-20-6A	NPN	334D-6() Servo Run-In Fixture (Fig. 6)
ASI-205-2	NPN	Test Set: 454N-3 Trim Servo Monitor
ASI-205-3	NPN	Test Set: 454N-2/-2D Rate Level Sensor
ASI-205-4	NPN	Test Set: AP-106 / AP-107 Annunciator Unit
ASI-205-5	NPN	Test Set: 998E-1 Annunciator Adapter
ASI-205-6	622-3635-001	Test Set: 913K-2H Test Adapter (999U-1)
ASI-212-2	622-2094-001	Torque Tester (960M-2)
ASI-212-3	622-2741-001	Torque Tester (960M-3)
ASI-246-1	621-9185-001	Capstan Test Fixture



Servo Test Set

ASI-206

OEM Equivalent: Rockwell Collins
MN: 972S-3
PN: 622-2562-001
Manual: 523-0767941 / 523-0766367
Manual Figure: 1

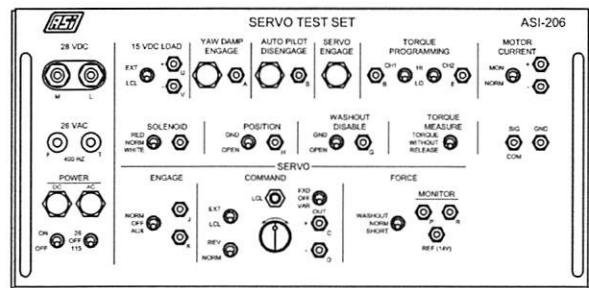
UUT: 334C-9 334C-11
334C-9A

Size: H: 4.75" W: 13.12" D: 7.75"
Pwr: 28 VDC / 115 VAC 400 Hz

Description:

The ASI-206 Servo Test Set works in conjunction with a Torque Tester (ASI-212-3) to facilitate testing, alignment, and overhaul of the Collins 334C-9/-9A/11/-12H Primary Servos. The Test Set simulates autopilot commands and provides test points for monitoring the input and output signals of the servo under test. The ASI-206 is capable of both bench and in-aircraft testing and troubleshooting.

The ASI-206 is constructed in a metal carrying case for ease of use and transport.



Equipment Supplied:

ASI MN	OEM PN	Description
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Optional Equipment:

ASI MN	OEM PN	Description
ASI-20-6A	NPN	334C-9/9A/11 Servo Run-In Fixture (Fig. 12)
ASI-20-6B	NPN	334C-9/9A/11 Capstan Angle Indicator (Fig. 13)
ASI-212-2	622-2094-001	Torque Tester (960M-2)
ASI-212-3	622-2741-001	Torque Tester (960M-3)
ASI-246-1	621-9185-001	Capstan Test Fixture (Fig. 1)

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